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(FILE 'HOME' ENTERED AT 09:08:51 ON 14 AUG 2008)

FILE 'CAPLUS' ENTERED AT 09:09:16 ON 14 AUG 2008

E ZEOLITES+ALL/CT
L1 104415 S (ZEOLITES OR "ZEOLITES (SYNTHETIC)")
L2 386990 S FAU OR BEA OR DON OR EMT OR CFI OR MOR OR MAZ OR OFF
L3 2630 S L1 AND L2
L4 12758 S TREHALOSE
E TREHALOSE+ALL/CT
L5 854 S MYCOSE
L6 15387 S L3 OR L4
L7 2630 S L3 AND L6
L8 77 S L7 AND PURIFICATION
L9 13595 S L4 OR L5
L10 1 S L3 AND L9
L11 4 S L3 AND CARBOHYDRATES
L12 3 S L11 AND PROTEIN
L13 2 S L3 AND MALTOSE

FILE 'STNGUIDE' ENTERED AT 09:23:24 ON 14 AUG 2008

FILE 'CAPLUS' ENTERED AT 09:36:12 ON 14 AUG 2008

L14 0 S L3 AND DISACCHARIDE
L15 4 S L3 AND SUGARS
L16 1 S L15 AND INOSITOL
L17 1 S L15 AND SILICALITE

FILE 'CAPLUS' ENTERED AT 10:09:12 ON 14 AUG 2008

L18 3 S L3 AND CATION EXCHANGE RESIN
L19 1 S L18 AND POROUS SYNTHETIC

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=> d bib abs hit 116

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1985:63934 CAPLUS <<LOGINID::20080814>>
DN 102:63934
OREF 102:10037a,10040a
TI Bulk separation of inositol and sorbitol by selective adsorption
on zeolitic molecular sieves
IN Chao, Chien C.; Sherman, John D.
PA Union Carbide Corp. , USA
SO U.S., 11 pp. Cont.-in-part of U.S. Ser. No. 417,577, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4482761	A	19841113	US 1983-457427	19830112
	CA 1217782	A1	19870210	CA 1983-436042	19830902
	JP 59116239	A	19840705	JP 1983-167671	19830913
	JP 63065054	B	19881214		
	US 4544778	A	19851001	US 1984-645215	19840829
	JP 01006227	A	19890110	JP 1988-118409	19880517
PRAI	US 1982-417577	A2	19820913		
	US 1983-457427	A	19830112		

AB A method was described to sep. inositol (I) [87-89-8] from carbohydrate mixture by selective adsorption off I on NaX or BaX zeolite at 15-100° and elution with H2O. Thus, the column containing BaX zeolite at 160°F was loaded with aqueous mixture containing glucose [50-99-7] 15.6, fructose [57-48-7] 14.8, sucrose [57-50-1] 2.4, sorbitol [50-70-4] 4.0 and I 3.2% and eluted with H2O to give 80 mL 1% I solution

TI Bulk separation of inositol and sorbitol by selective adsorption on zeolitic molecular sieves

AB A method was described to sep. inositol (I) [87-89-8] from carbohydrate mixture by selective adsorption off I on NaX or BaX zeolite at 15-100° and elution with H2O. Thus, the column containing BaX zeolite at 160°F was loaded with aqueous mixture containing glucose [50-99-7] 15.6, fructose [57-48-7] 14.8, sucrose [57-50-1] 2.4, sorbitol [50-70-4] 4.0 and I 3.2% and eluted with H2O to give 80 mL 1% I solution

ST inositol sepn sorbitol glucose mixt; fructose sucrose mixt
inositol sepn; zeolite inositol sepn sugar mixt

IT Zeolites, uses and miscellaneous

RL: USES (Uses)

(BaX, in separation of from sugars)

IT Zeolites, uses and miscellaneous

RL: USES (Uses)

(NaX, in separation of from sugars)

IT 50-70-4P, preparation 57-50-1P, preparation

RL: PREP (Preparation)

(separation from, of inositol, by zeolites)

IT 50-99-7P, preparation 57-48-7P, preparation

RL: PREP (Preparation)

(separation of, from inositol, by zeolites)

IT 87-89-8

RL: PROC (Process)

(separation of, from sugars, by zeolites)